M. A. R. 57 (Rule 116) **No. D**

Measurement Book

347146

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work :- Construction of Compound wall and Toilet in ward no. 12. Shettyhalli Sub Division.						
	Est. Cost :- Rs 15.00 lakhs.						
	Job Code :- 012-18-000035.						
	Admin Appvl :- EE|DD|AS|130|18-19 dtd. 24.01.2019.						
	Tech Sanction :- CE|D2|TS|18-19. dtd. 24.01.2019						
	Contractor :- KRIDL. B'lore Manjur Tech. (West)						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
0.01	Earthwale in Supree Excavation in ordinary soil for levelling & Lowering the ground manually and removing the excavated Stuff to a distance not exceeding 50m. and lift up to 1.5m Excavated Surface levelled and neatly dressed, disposal Earth to be levelled after breaking of clods and neatly dressed as per Specifications.	1	82.00	22.95	0.50	940.95	
				Total =		940.95	Cum.
				Restricted to Tendered Quantity			
				⇒ 415.41 Cum.			

M. A. R. 57 (Rule 116) No. D

Measurement Book

347147

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Sl.No.02.	Earthwale Excavation for fondation of buildings, water supply, sanitary lines and electrical conduit cables in pits ① in trenches 1.50m. and above in width in Hard soil not Exceeding 1.50m. in depth including trueing the bottom the bottom and sides of pits & trenches, shifting the excavated soil clear from edges of excavation with the coupulsory Specifications.						

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MEASUREMENT BOOK

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Compound Wall.	1	27.75	1.00	0.90	24.975	
	1	27.80	1.00	0.90	25.020	
	1	15.80	1.00	0.90	14.220	
Column 29 no's	29	1.00	1.20	1.20	41.760	
Gate Column	2	1.20	1.20	1.50	4.320	
Pedestal.	1	6.10	1.25	1.20	9.150	
Pedestal,	1	8.15	1.25	1.20	12.225	
			Total =		131.67 Cum.	

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. 347148

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Sl. No. 03.	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kg with 40 mm and down size graded granite metal coarse aggregate @ 0.892 cum and fine aggregate @ 0.465 cum machine mixed, machine mixed concrete laid in layers not exceeding 15 cm. thick, well compacted in foundation including cost of all materials, Labour, HSM of machinery, curing etc complete as per specifications.						
	Compound wall	1	27.75	1.00	0.15	4.160	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	27.80	1.00	0.15	4.170	
		1	15.80	1.00	0.15	2.370	
	Column	29	1.20	1.20	0.15	6.260	
	Ext Column	2	1.50	1.50	0.15	0.680	
	Door 1 13/3/19	1	6.10	1.20	0.15	1.100	
	Door 2	1	8.15	1.20	0.15	1.470	
				Total =		20.21 Cum.	

No. 04. Providing and constructing granite/trap/basalt stone masonary in foundations with Cement mortar 1:6 stone hammered dressed in courses not less than 20cms high bed

M. A. R. 57 (Rule 116) No. D
Measurement Book

347149

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Stones at 1.50 m. apart in each course including cost of material, labour, Casing complete as per specifications. Compound wall	1	27.75	0.75	0.45	9.37	
		1	27.80	0.75	0.45	9.38	
		1	15.80	0.75	0.45	5.33	
		1	27.75	0.60	0.45	7.45	
		1	27.80	0.60	0.45	7.51	
		1	15.80	0.60	0.45	4.27	
				Total =		43.35 Cum.	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Sl.No.05.	Providing and constructing granite/ Dry/ Random rubble stone masonary in basement with Cement mortar 1:6 Each in stone thickness thereof in Courses not less than 15 cms high bond stone at 1250 mt apart in each course including cost of materials, labours, complete as per specifications.						
Compound wall		1	27.75	0.50	0.45	6.24	
		1	27.80	0.50	0.45	6.26	
		1	15.80	0.50	0.45	3.56	
				Total		16.05 Cum.	

M. A. R. 57 (Rule 116) No. D
Measurement Book 347150

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Sl.No.06.	providing raised pointing to coursed stone masonary work Cement mortar 1:3 20mm deep after scraping joints to depth of 20 mm nicely trimming including cost of materials, labours curing complete as per specifications.						
Compound wall		2	27.75	—	0.45	24.98	
		2	27.80	—	0.45	25.02	
		2	15.80	—	0.45	14.22	
				Total	=	64.22	Sqmt

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MEASUREMENT BOOK

	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
	2	3	4	5	6	7	8
No.07.	providing and laying in partition plain Cement Concrete of nominal mix 1:2:4 using 20mm and down size graded stone metal machine mixed, Concrete in layers not exceeding 15cm thick well Compacted in foundations, plinth and other including cost of all materials, labour, Hire of machinery, Curing complete as per Specifications.					
	Compound wall	1	27.75	0.20	0.10	0.56
		1	27.80	0.20	0.10	0.56
		1	15.80	0.20	0.10	0.32
					Total =	1.43 Cum.

M. A. R. 57 (Rule 116) No. D
Measurement Book 347151

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl.No.08.	Filling available excavated Earth in risby & foundations up to plinth in layers not exceeding 20cm in depth compacting earth deposited layers by ramming after watering with lead up to 50m. and lift 1.50m including cost of all labour etc complete as per specifications.						
	Compound wall	2	27.75	0.25	0.90	12.49	
		2	27.80	0.20	0.90	10.01	
		2	15.80	0.20	0.90	5.69	
					Total =	28.18 Cum.	

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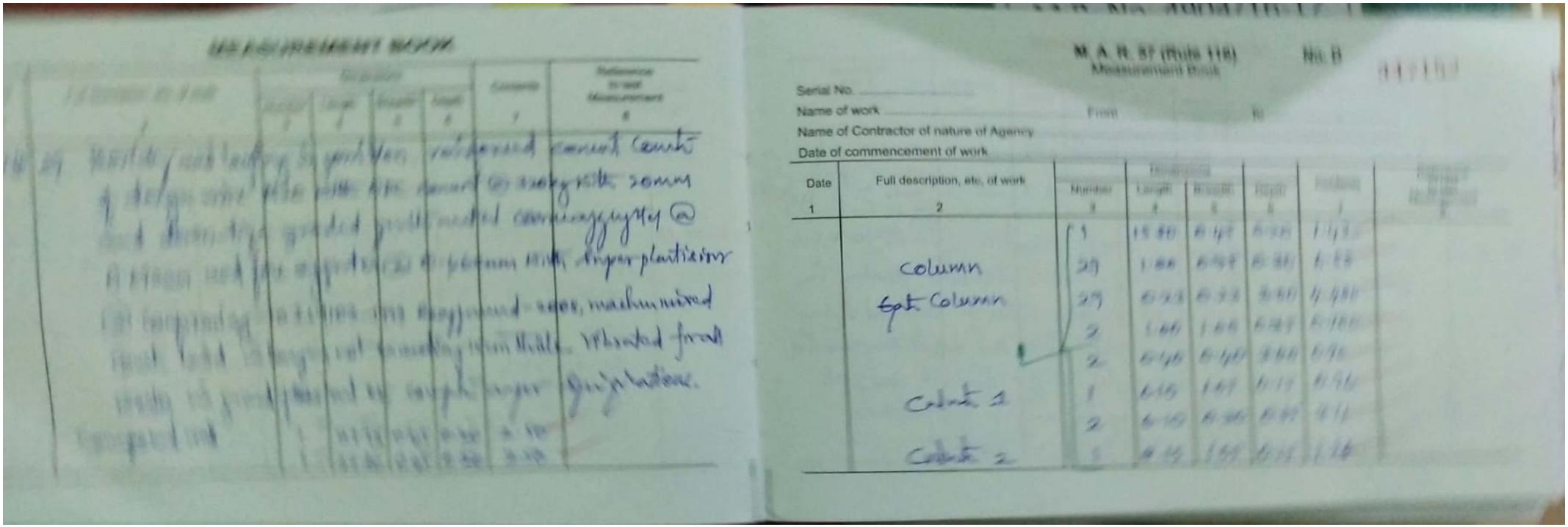

M. A. R. 57 (Rule 118)
Measurement Book

No. 8

Serial No. .....

Name of work ..... From ..... to

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Number	Length	Breadth	Height	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	column	1	15.80	0.45	0.30	1.43	
	6pt Column	29	1.00	0.23	0.30	1.73	
		29	0.23	0.23	3.60	4.98	
		2	1.00	1.00	0.23	0.46	
		2	0.46	0.46	3.60	3.31	
	Cabin 1	1	0.15	1.07	0.12	0.19	
		2	0.15	0.30	0.23	0.21	
	Cabin 2	1	0.15	1.07	0.12	0.19	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		2	8.15	0.30	0.85	4.16	
				Total =		28.52 Cum.	18/03/19
10.	providing and fabricating TMT steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position, lapping and welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, carry all materials, labour etc, complete as per specifications						
	plinth slab, 10mm	6	27.75	0.62	=	103.23	

M. A. R. 57 (Rule 116) **No. D**
Measurement Book

347153

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	distribution 8mm	138	1.45	0.89	=	78.04	
	mainroads 10mm	6	27.80	0.62	=	103.42	
	distribution 8mm	139	1.45	0.39	=	78.60	
	mainroads 10mm	6	15.80	0.62	=	58.78	
	distribution	79	1.45	0.39	=	44.67	
	mainroads 12mm	8	3.45	0.89	=	12.36	
	distribution	18	1.50	0.39	=	305.37	18/03/19
				Total =		1484.47 kgs.	
				Say =		1.4845 MT	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl. No. 11	Providing and removing Centring, Shuttering, shifting propping etc for Columns, pillars, piers, abutments, parts and other similar suitably polygon in plan including Cost of all materials, labour, conveyance and use of implements.						
	Compound wall	2	27.55	—	0.20	11.10	
		2	27.80	—	0.20	11.12	
		2	15.80	—	0.20	6.32	
		29	0.90	—	3.00	78.30	
		2	1.60	—	3.00	9.60	
					Total =	116.64	Sqmts.

M. A. R. 57 (Rule 116) No. D
Measurement Book

347151

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl. No. 12.	Providing and laying pre-cast thin cover slabs of 250mm thickness including Cost of all materials, labour, casting, curing, loading, unloading etc, conveyance and use of implements of Engineer in-charge of the work.						
	Culvert Outlet	1	6.10	1.50	—	9.15	
		1	8.15	1.50	—	12.23	
					Total =	21.38	Sqmts.

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
S.No. 13.	providing and laying precast concrete solid blocks with compressive strength not less than 35 kg/sqcm. with Cement mortar 1:4 masonry with solid concrete blocks of size 40x20x20 cm Confirming to IS 2185/1985 in superstructure including cost of materials, labour charges, scaffoldings, Curing complete as per specification.						
Compound wall		1	27.75	—	2.30	63.83	
		1	27.80	—	2.30	63.94	
		2	15.80	—	2.30	36.34	
					Total =	164.11	Sqmt.

M. A. R. 57 (Rule 116) No. D
Measurement Book

347155

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
S.No 14	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering providing & removing scaffolding making cost of materials, labour, Curing complete as per Specifications.						
Compound wall		2	27.75	—	2.30	127.65	
		2	27.80	—	2.30	127.88	
		2	15.80	—	2.30	72.68	
					Total =	328.21	Sqmt.

MEASUREMENT BOOK

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
providing and finishing external walls with in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming dirt and loose to remove all dirt and loose powdered material, free from mortar droppings and other foreign matter cost of materials labours, with primer complete as per specifications.						
Compound wall	2	27.75	—	2.30	127.65	
	2	27.80	—	2.30	127.88	
	2	15.80	—	2.30	72.68	
			Total =		328.21	Sqmt.

M. A. R. 57 (Rule 116) No. D

Measurement Book

347156

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Sl.No.16	Extra for providing and applying every subsequent coat of waterproofing cement paint of approved brand and shade for item no. 15-16.1 cost of materials labours, complete as per specifications						
	Compound wall	2	27.75	—	2.30	127.65	
		2	27.80	—	2.30	127.88	
		2	15.80	—	2.30	72.68	
			Total =			328.21	Sqmt.
	Restricted to Tendered Quantity =					280.00	Sqmt.

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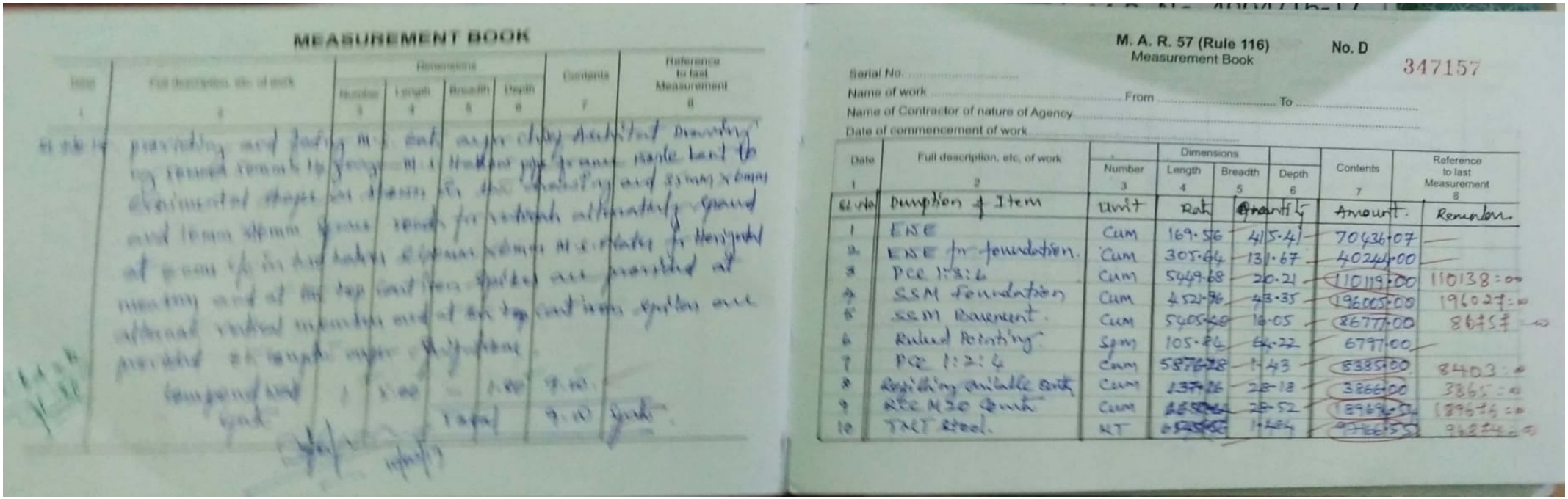

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	providing and laying M.S. cut, as per duly Architect Drawing						
	in raised rooms to ground M.S. Hollow pipe frame work complete Lent to						
	Estimated steps in steps etc. including and 30 mm x 6mm						
	and 16mm dia mm square rods for rest with alternately spaced						
	at 6 cm c/c in the taken 6 equal rooms M.S. flats for Horizontal						
	meeting and at the top cast iron spikes are provided at						
	offroad vertical members and at the top cast iron spikes are						
	provided as simple as per drawing						
	Compound wall 1 1.00 1.00 9.10						
	Total 9.10 Sqm.						

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. 347157

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Number	Dimensions: Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Sl No	Description of Item	Unit	Rate	Quantity		Amount	Remarks
1	EXE	Cum	169.56	415.41		70436.07	
2	EXE for foundation.	Cum	305.64	131.67		40244.00	
3	PCC 1:3:6	Cum	549.68	20.21		11011900	110138.00
4	SSM foundation	Cum	452.96	43.35		19600500	196027.00
5	SSM Basement	Cum	540548	16.05		8677.00	86757.00
6	Ruled Pointing	Sqm	105.86	64.22		6797.00	
7	PCC 1:2:4	Cum	587628	14.43		8385.00	8403.00
8	Refilling available earth	Cum	137.26	28.18		3866.00	3865.00
9	RCC M30 Grade	Cum	265.84	28.52		18969.51	189674.00
10	TMT Steel.	KT	0.52.560	1.464		9766.55	9825.00

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
11	Century	Sqm	395.28	116.44		46026.00	
12	250mm thick Data Wall	Sqm	5241.00	21.38		112026.00	112052 : 0
13	Comb. Solid Blocks	Sqm	1011.96	164.11		166068.00	
14	18mm Thick Cement plaster	Sqm	263.52	328.21		86490.00	
15	Water proof Cement paint	Sqm	90.72	328.21		29775.00	
16	Cement paint	Sqm	29.16	280.00		8165.00	
17.	M.S. Gate.	Sqm.	3168.72	9.00		28518.00	
				Total =		1286558.17	1286315 : 0
	Add. GST 12%			=		154386.98	154357 : 0
	Add. KRIDL charges @ 4.5%			=		57895.12	57884 : 0
				Grand Total		14,98,840.27	1498,556 : 00

10/07/2019

Audited and admitted for Rs. 1498556.00

Passed by Cheque for Rs. 1336592.00

Total Nos. Lakhs thirty six thousand

Name of work Nine three only

Name of Contractor or nature of Agency

Date of commencement of work

Signature of Sub Division Officer

S.E.M.P. Chengalpattu Division

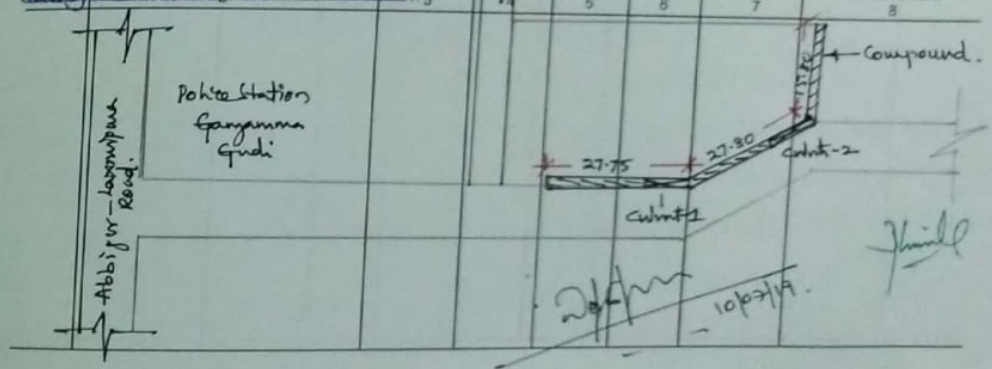
M. A. R. 57 (Rule 116) **No. D**

Measurement Book

347158

From To

Description, etc. of work	Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	3	4	5	6	7	8



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